

United States Department of Agriculture

SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

APRIL, 1927

This publication is issued monthly for the dissemination of information, instructions, ruling, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.

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CHANGES IN DIRECTORY

Meat Inspection Granted

*181. Montrose Beef Co., 188 North Main Street, Pittston, Pa. 671. La Touraine Co. (Inc.), 850 Washington Street, New York, N. Y.

Meat Inspection Withdrawn

- *16. The Jersey City Stock Yards Co., Jersey City, N. J. *16-A. The Jersey City Stock Yards Co., Jersey City, N. J.
- *94. Louis Pfaelzer & Sons, Chicago, Ill.
- *132-D. J. & D. M. White, Boston, Mass.
 - 408. H. E. Whitaker Co., Philadelphia, Pa. 986. Benjamin Eskolsky, New York, N. Y.

Meat Inspection Extended

*3-AN. Swift & Co., Harrisburg, Pa., to include The Brelsford Packing & Storage Co.

Change in Name of Official Establishment

338. Andrew Peterman & Co., and E. W. Burr, 33 Front Street, New York, N. Y., instead of E. W. Burr.

Change in Address of Official in Charge

Dr. J. E. Cloud, 343 Federal Building, San Diego, Calif., instead of 219 Federal Building.

Dr. J. G. Fish, P. O. box 467 (office, 8 Lewis State Bank Building), Tallahassee. Fla., instead of Capitol Building.

New Station

Pittston, Pa., meat inspection, Dr. J. R. Donnelly, in charge, care Montrose Beef Co., 188 North Main Street.

Notes

The "Acting" in the designations of Dr. C. J. Becker, Baton Rouge, La., and of Dr. A. L. Darby, Fort Worth, Tex., should be removed.

The hog-cholera station at Madison, Wis., has been discontinued on account of the death of John T. Purcell and the hog-cholera work will be under the supervision of Dr. J. S. Healy, Madison.

NOTICES REGARDING MEAT INSPECTION

PROPRIETARY MEAT-CURING MIXTURES

Literature advertising a certain proprietary meat-curing preparation consisting of common salt and sodium nitrite is so worded as to convey the false and misleading impression that the preparation has some remarkable and mysterious effects which can not be obtained by the use of curing agents permitted under the Federal meat-inspection regulations. The advertising literature of some other proprietary meat-curing mixtures also tends to convey a false impression, and verbal statements of similar import are not infrequently made by salesmen vending such preparations.

Attention is directed, therefore, to the requirement that all curing mixtures used in establishments operating under the Federal meat-inspection service must consist exclusively of substances enumerated in regulation 18, section 6, paragraph 2, B. A. I. Order 211 (revised). The fact that the use of any proprietary preparation is permitted is evidence that it consists exclusively of

substances permitted by the regulations.

INSPECTION FOR CYSTICERCUS BOVIS

The instructions appearing on page 2 of Service Announcements of January 15, 1913, covering the inspection of cattle carcasses for the presence of Cysticercus bovis, are superseded by the following:

Head.—Prior to inspection the tongue shall be sufficiently detached from the head bones, by an employee of the establishment, to allow a proper inspection to be made of the internal muscles of mastication. These muscles shall be inspected after incising them in such manner as to split the muscles in a plane parallel with the lower jawbone. The masseter muscles also shall be incised, splitting the entire external layer between the outer and intermediate fasciæ.

Heart.—The surface of the heart shall be examined, and a longitudinal incision made extending from base to apex through the wall of the left ventricle and the interventricular septum, after which the cut surfaces and the inner surface of the ventricles shall be examined.

^{*} Conducts slaughtering.

Final inspection of retained carcasses.—The external and internal muscles of mastication, heart, and the muscular portion of the diaphragm, including its pillars, shall be carefully and thoroughly sliced to insure the finding of all cysts. Prior to the inspection of the diaphragm its peritoneum shall be removed. The tongue shall be carefully inspected by palpation and if the presence of cysts in the muscles of the organ is suspected, the tongue shall be thoroughly sliced and all parts closely examined for cysts. In addition to the foregoing the exposed muscles and cut muscular surfaces of the split carcass shall be examined.

Calves.—The routine inspection of calves more than six weeks old for the presence of Cysticercus bovis may be limited to a careful examination of the surface of the heart and such other surfaces as it is practicable to examine.

CERTIFICATES FOR LARD EXPORTED TO LATVIA

The bureau is officially informed that only lard which is refined and pure is acceptable for importation into Latvia and that the certificates which are required to accompany the product must show the name of the town where issued, and the description of the product in the certificate must read "Refined Pure Lard." Inspectors in charge of meat inspection will be governed accordingly and are notified that lard so certified must have been subjected to a filtering process sufficient to remove all scrap and foreign matter.

ADDITION TO LIST OF PERMITTED DYES

Under Food-Inspection Decision 209, Fast Green FCF is added to the list of permitted dyes authorized in Food-Inspection Decision 184 and enumerated in Service and Regulatory Announcements for October, 1922, page 114. This dye, therefore, may be used in connection with meat food products in conformity with the meat-inspection regulations.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, MARCH, 1927

Station	Cattle	Calves	Sheep	Goats	Swine
Baltimore	7, 287	1,580	1,274	3	64, 09
Brooklyn	6, 801	7, 164	27, 074	3	
Buffalo	7,990	4, 535	9, 039		61, 95
Chicago	156, 049	60, 742	200, 092	300	517, 530
Cincinnati	10, 953	8, 224	3, 154	25	69, 660
Cleveland Denver	8, 278	8, 085	16, 182		65, 64
Denver	8, 420	2, 052	21, 248		31, 59
Detroit	6, 517	7,053	11, 613		78, 62
Fort Worth	28, 782	15, 184	12, 850	791	47, 07
Indianapolis	17, 024	4,658	2,572	1	100, 90
Jersey City	4, 190	9, 768	29, 664		52, 33
Kansas City	83, 058	21,788	86, 283	1,017	204, 64
Milwaukee National Stock Yards	12, 515	67, 120	3,419	1	109, 89
New York	28, 931 26, 296	6,812	19, 707	11	119, 92 99, 41
	77, 118	48, 612 8, 307	141, 833 149, 248	11	
Omaha Philadelphia	8,004	9, 298	18, 518	11	216, 61 83, 68
St. Louis	13, 422	4, 256	3, 397	1	127, 89
Sioux City.	38, 378	5, 439	35, 834	1	204, 67
South St. Joseph.	32, 179	7,089	109, 076	1	88, 56
South St. Paul	40, 792	74, 119	14, 009	1	211, 74
All other establishments.	138, 315	74, 714	110, 650	393	1, 280, 77
THE CONCE CONTRACTOR OF THE CO	100,010	72,711	110,000	000	1, 200, 11
Total: March, 1927	761, 299	456, 599	1,026,736	2, 558	3, 837, 27
March, 1926	785, 545	463, 675	1, 162, 503	826	3, 562, 24
9 months ended March, 1927	7, 723, 550	3, 734, 336	9, 884, 660	24, 825	31, 302, 54
9 months ended March, 1926	7, 692, 802	3, 915, 081	9, 320, 249	35, 111	30, 777, 66

Horses slaughtered at all establishments, March, 1927, 2,397. Inspections of lard at all establishments, 152,072,201 inspection pounds; compound and other substitutes, 40,932,741 inspection pounds; sausage chopped, 58,273,306 inspection pounds. Corresponding inspections for March, 1926: Lard, 158,738,120 inspection pounds; compound and other substitutes, 46,590,730 inspection pounds; sausage chopped, 59,868,544 inspection pounds.

(These totals of inspection pounds do not represent actual production, as the same product may have been inspected and recorded more than once in the process of manufacture.)

EXTENT OF TUBERCULOSIS IN ANIMALS SLAUGHTERED AT THREE IMPORTANT MARKETS, MARCH, 1927

	Total slaughter	Retained for tuberculosis			
Station		Total	Passed for steriliza- tion	Con- demned	
Cattle: Chicago Kansas City Omaha Swine: Chicago Kansas City Omaha	156, 049 83, 058 77, 118 517, 530 204, 642 216, 617	12, 654 520 826 84, 438 14, 757 26, 896	347 16 34 1,195 141 231	1, 801 81 111 1, 056 119 295	

CAUSES OF CONDEMNATION OF CARCASSES, FEBRUARY, 1927

Cause	Cattle	Calves	Sheep	Swine
Emaciation	336	152	162	100
Inflammatory diseases Immaturity	889	223 344	712	1,599 2,097
Tuberculosis All other causes	3, 520 875	45 154	550	4, 214 3, 804
Total	5, 620	918	1,424	11,814

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during March, 1927, with figures for other periods for comparison.

Imports of food animals

Country of export	Cattle	Swine	Sheep	Goats
Mexico Canada Channel Islands. Virgin Islands (to Porto Rico)	11, 081 14, 360 228 129	26, 872	2, 662 82	3 7
Total: March, 1927. March, 1926. 9 months ended March, 1927. 9 months ended March, 1926.	25, 798 22, 217 266, 729 218, 330	26, 879 2, 329 179, 337 28, 172	2, 744 19 43, 759 57, 074	10 1 76 67

Imported meat and meat food products

	Fresh and	refrigerated	Canned	Other	Total	
Country of export	Beef Other		and cured	products	weight	
Argentina	Pounds	Pounds	Pounds 3, 801, 092	Pounds	Pounds 3, 801, 092	
Australia Canada Uruguay	950, 432	10, 521 2, 636, 425	37 1, 145, 546 1, 156, 026	418, 952	10, 558 5, 151, 355 1, 156, 026	
Other countries			363, 850	96, 573	460, 423	
Total: March, 1927 March, 1926 9 months ended March, 1927 9 months ended March, 1926	950, 432 476, 094 11, 873, 610 8, 479, 420	2, 646, 946 833, 222 16, 021, 700 8, 037, 826	6, 466, 551 2, 174, 866 28, 387, 646 11, 457, 803	515, 525 509, 847 3, 210, 065 2, 444, 890	10, 579, 454 3, 994, 029 59, 493, 021 30, 419, 939	

Condemned in March, 1927: Beef, 4,132 pounds.

Refused entry: Pork, 439 pounds.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, MARCH, 1927

	Tuberculin during mo				ate			
State	Herds or lots	Cattle tested	Cat- tle re- acted	Once- tested free . herds	Ac- cred- ited herds	Herds under super- vision	Inspector in charge	State official
Ala Ariz Ark Calif	287 394 239 239	5,718 4,842 1,363 7,729	7	3,443 7,665 2,887 3,991	235 29 20 108	5, 121 8, 932 4, 548 4, 121	H. L. Frv	C. A. Cary, Auburn. S. E. Douglas, Phoenix. J. H. Bux, Little Rock. J. P. Iverson. Sacramento
Conn	13 269	458 4,687	683	2,321 1,016	118 1,117	2,664 2,652	R. Snyder W. E. Howe R. L. Smith	J. P. Iverson, SacramentoC. G. Lamb, Denver.J. M. Whittlesey, Hart ford.
Del D. C	131 4 89	1,946	1	2,544 253	1,407 26 403	4,635 286		O. A. Newton, Bridgeville
FlaGaIdahoIllInd	106 348 6, 521 4, 625	1,140 12,265 76,933	73 3,848	6, 633 11, 368 25, 307 104, 644 74, 359	41 62	7, 476 12, 297 28, 541 117, 438 107, 121	A. L. Hirleman W. A. Sullivan	J. V. Knapp, Tallahassee. P. F. Bahnson, Atlanta. W. C. Nye, Boise. F. A. Laird, Springfield. Frank H. Brown, Indian
Iowa	5, 235	82,812	1,675	76, 952	7, 170	134, 572	J. A. Barger	apolis. M. G. Thornburg, Des Moines.
Kars Ky	5,044 1,440			42, 804 69, 846	931 58	44, 824 70, 103	N. L. Townsend W. F. Biles	J. H. Mercer, Topeka. D. E. Westmorland Frankfort.
La	218	2,827	1	4,925	26	5, 245		E. P. Flower, Bator Rouge.
Me Md	1, 177 818	7, 510 10, 293	58 257	23, 230 7, 850	4,157 3,727	29,042 17,614	G. R. Caldwell E. B. Simonds	H. M. Tucker, Augusta. James B. George, Balti more.
Mass Mich Minn Miss Mo	243 5,870 3,310 815 162	76, 147	1, 270 6	1, 114 115, 191 29, 011 49 57, 652	456 87 7, 942 95 947	2,411 117,391 41,515 161 61,033	E. A. Crossman T. S. Rich W. J. Fretz H. Robbins Ralph Graham	F. B. Cummings, Boston. H. W. Norton, jr., Lansing C. E. Cotton, St. Paul. R. V. Rafnel, Jackson. H. A. Wilson. Jefferson
Mont Nebr Nev N. H N. J N. Mex.	672 3, 093 76 323 347	13, 646 40, 857 1, 507 4, 397 4, 884	284 20 117	24, 397 44, 618 3, 441 2, 522 2, 338 3, 525	74 105 10 2, 509 1, 240 13	25, 036 45, 208 4, 576 5, 134 3, 747 3, 813	A. H. Francis L. C. Butterfield E. A. Crossman W. G. Middleton.	City. W. J. Butler, Helena. C. H. Hays, Lincoln. Edward Records, Reno. A. L. Felker, Concord. J. H. McNeil, Trenton. Mat Keenan, Albu
N.Y N.C N. Dak. Ohio Okla	5, 248 2, 620 1, 453 5, 874 42	23, 967	20 261	42, 184 219, 766 32, 627 103, 778 128	31,049 298 4,304 697 244	90, 019 234, 279 41, 411 109, 306 389	W. C. Dendinger H. H. Cohenour	querque. E. T. Faulder, Albany. W.m. Moore, Raleigh. W. F. Crewe, Bismarck. F. A. Zimmer, Columbus C. C. Hisel, Oklahoma
Oreg Pa R. I	1,423 1,952 29	10, 735 20, 020 765	357	94, 0 54 65, 192 76	1,466 3,705 42	95, 572 80, 520 227	S. B. Foster J. B. Reidy E. A. Crossman	City. W. H. Lytle, Salem. T. E. Munce, Harrisburg T. E. Robinson, Provi
S. C S. Dak Tenn Tex	1, 171 970 187 38	3, 134 20, 443 3, 673 2, 641	201	20, 377 7, 857 19, 085 107	171 677 278 172	20, 625 8, 905 19, 504 340	W. K. Lewis J. O. Wilson H. M. O'Rear H. L. Darby	dence. W. K. Lewis, Columbia. M. W. Ray, Pierre. W. B. Lincoln, Nashville N. F. Williams, For
Utah	970	4, 294	29	10, 383	97	11,366	F. E. Murray	Worth. W. H. Hendricks, Salt
Vt	571	11, 583		2, 334	4,409	9, 974	L. H. Adams	pelier.
Va Wash W. Va	573 950 1, 579	6, 579 13, 637 5, 945	222	6, 521 49, 404 18, 748	2, 120 61 880	8, 865 53, 173 19, 658	R. E. Brookbank. J. C. Exline H. M. Newton	H. C. Givens, Richmond. Robert Prior, Olympia. John W. Smith, Charles
Wis Wyo	2,804 45	53, 322 752	476 1	83, 159 7, 579	8, 673 5	97, 412 8, 706	J. S. Healy John T. Dallas	ton. Walter A. Duffy, Madison H. D. Port, Cheyenne.
Total_	70, 607	828, 433	18, 627	1, 539, 255	118, 332	1,827,508		

ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER LICENSES

	Total serum	Clear serum completed	Hyperim- mune blood cleared	Simultaneous virus	Hyperim- munizing virus
March, 1927	C. c.	C. c.	C. c.	C. c.	C. c.
	121, 358, 458	52, 164, 445	58, 324, 153	2, 695, 166	28, 063, 557
	51, 851, 535	11, 256, 746	13, 545, 749	1, 464, 231	10, 048, 710
	881, 949, 319	353, 345, 913	360, 410, 724	43, 388, 497	189, 934, 177
	305, 591, 569	111, 012, 226	110, 404, 912	24, 219, 664	59, 422, 506

LICENSES ISSUED FOR BIOLOGICAL PRODUCTS IN MARCH, 1927

License No. 9 was issued March 8, 1927, to Lederle Antitoxin Laboratories. Middletown Road, near Pearl River, N. Y., for avian tuberculin.

License No. 37 was issued March 23, 1927, to the Sioux City Serum Co., 1100 Bluff Road and 1319 Bluff Road, Sioux City, Iowa, for anti-hog-cholera serum and hog-cholera virus.

License No. 52 was issued March 10, 1927, to The Cutter Laboratory. Fourth

and Parker Streets, Berkeley, Calif., for mixed bacterin (rabbits).

License No. 158 was issued March 8, 1927, to the Globe Laboratories, Fostepco Heights, near Fort Worth, Tex., for abortion bacterin (bovine); autogenous bacterin.

License No. 188 was issued March 31, 1927, to the Colorado Serum Co., Fortyninth and York Streets, Denver, Colo., for anti-hog-cholera serum and hog-cholera virus.

PERMITS ISSUED FOR BIOLOGICAL PRODUCTS IN MARCH, 1927

Permit No. 7 was issued March 3, 1927, to J. A. Rickert, 1932 Dayton Avenue, St. Paul, Minn., for the importation of bovine mastitis mixed bacterin, manufactured by the Hamilton Vaccine Co., Hamilton, New Zealand.

LICENSES TERMINATED

License No. 37, issued January 1, 1921, to the Sioux City Serum Co., 1319 Bluff Road, Sioux City, Iowa, was terminated March 23, 1927, and a new license No. 37, dated March 23, 1927, was issued, as indicated above, for the products listed.

License No. 110-A, issued July 2, 1923, to the American Serum Co., Fortyninth and York Streets, Denver, Colo., was terminated March 31, 1927.

License No. 137, issued July 20, 1926, to the Manhattan Serum Co., Fairmont Addition, Manhattan, Kans., was terminated March 5, 1927.

DEMODECTIC MANGE

A bureau circular letter entitled "Directions for detecting demodectic mange in livestock" was issued December, 1926, and mailed to bureau stations. Reports from some bureau stations and from tanners indicate that demodectic mange affects cattle and hogs throughout the United States. The bureau inspectors at the Kansas City stockyards have become adept in detecting the lesions in live cattle, and since their reports show cases from various parts of the entire trade territory, it seems probable that undetected, infected cattle are passing through many, if not all, of the public stockyards. Ordinarily the lesions can be detected only by manual examination and probably inspectors in various yards and in the field have not learned how to make the inspections.

So far no cases have been reported in live hogs but the post-mortem reports show a large number of infected swine. The majority of cases in live cattle have been in aged milk cows. The incidence of the disease may be greater

in dairy breeds than in the beef breeds but it is possible that the difference may be accounted for by the fact that old milk cows usually are gentle, accustomed to being handled, and they can be closely examined in yards and corrals without additional restraint. A few cases have been found in yearling

heifers of the dairy breeds.

Most of the lesions have been found on the sides of the neck, shoulders, and dewlap, and occasionally on the sides and abdomen. The number of nodules in the cases found varied from one to many, and, except in advanced cases. the lesions were not readily visible. The condition of the hair covering infected areas of skin is not a reliable indication of the presence or absence of nodules and ordinarily they can be detected only by manipulating the skin of the suspected animal.

The technic of a successful method of inspecting cattle is to examine the neck, shoulders, dewlap, sides, and inner surfaces of the thighs by passing the hand over the surface of the skin and manipulating portions of it between the fingers and thumb. If granules of dried serum, nodules, rough places, or any abnormal condition of the skin is detected, part the hair and examine closely. If small scabs or nodules are found, material should be collected for examination. Positive diagnosis can be made only by demonstrating the mite.

NEW PUBLICATIONS OF THE BUREAU

[The bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Farmers' Bulletin 713. Sheep Scab (revised). By Marion Imes, Zoological

Division. Pp. 30, figs. 20.

Farmers' Bulletin 988. Larkspur or Poison Weed (revised). By C. Dwight Marsh, A. B. Clawson, and Hadleigh Marsh, Pathological Division. Pp. 13.

Farmers' Bulletin 1155 (slightly revised). Diseases of Sheep. By Bernard A. Gallagher, Pathological Division. Pp. 30, figs. 6.
Farmers' Bulletin 1337 (revised). Diseases of Poultry. By Bernard A. Gallagher, Pathological Division. Pp. 30, figs. 15. Department Circular 400 (slightly revised). Foot-and-Mouth Disease with

Special Reference to the Outbreaks in California, 1924, and Texas, 1924 and 1925. By John R. Mohler, Chief, Bureau of Animal Industry. Pp. 83.

Amendment 4 to B. A. I. Order 276, governing the preparation, sale, barter.

etc., of viruses, serums, toxins, and analogous products for use in the treat-

ment of domestic animals. Effective March 1, 1927. P. 1.

Amendment 24 to B. A. I. Order 294, placing the following-named counties in the modified accredited areas for a period of three years from April 1, 1927: Ford, Ill.; Gallatin, Owen, and Union, Ky.; York, Nebr.; Codington, S. Dak.; and part of Washington, Vt. Iredell County, N. C., has been "reaccredited for a period of three years from April 1, 1927. P. 1 (mimeographed).

B. A. I. Order 301, governing the importation of domestic livestock and other animals into the United States. Supersedes B. A. I. Order 281 and became effective May 1, 1927. Pp. 14.
B. A. I. Order 302, governing the appraisement of tuberculous and para-

tuberculous animals and expenditures on account of the control and eradication of tuberculosis and paratuberculosis of animals. Supersedes B. A. I. Order 82 and becomes effective July 1, 1927. Pp. 4.

B. A. I. Order 303, to prevent the spread of scabies in sheep. Quarantines certain counties in California, Louisiana, and Mississippi. Effective May 1,

1927. P. 1.

B. A. I. Order 304, governing the recognition of breeds and purebred animals. Pp. 6.

B. A. I. Order 305, restricting the importation of animal casings. Pp. 2.



April, 19271

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Livestock Quarantine Law

D. P. and R. D. Humphreys, Bainbridge, Ga., interstate movement of 65 cattle without tuberculin test, \$25 penalty.

John Harmer, Winchester, Va., interstate movement of two cows without tuberculin test, \$100 penalty.

Pennsylvania Railroad Co., interstate transportation of infectious car without

cleaning and disinfection, \$100 penalty.

Twenty-Eight Hour Law

New York Central Railroad Co. (21 cases), \$2,100 fines.

Meat-Inspection Law

Swift and Co., Salt Lake City, Utah, and Charles Hoerner, same address, using second-hand containers bearing the marks of Federal inspection, \$50 fine for each.

Jacob Dorr, Salt Lake City, Utah, shipping uninspected meat in interstate commerce, \$50 fine.

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